UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/062,973	01/29/2002	Jeremy Bunn	10018307 -1	5646

7590   04/06/2006

HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P.O. Box 272400
Fort Collins, CO   80527-2400

EXAMINER
POKRZYWA, JOSEPH R

ART UNIT	PAPER NUMBER
2625	

DATE MAILED: 04/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on _19 January 2006_.

2a)☒ This action is **FINAL**.　　　2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) _1-31_ is/are pending in the application.

　　4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) _1-31_ is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

　　Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

　　Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

　　a)☐ All　b)☐ Some * c)☐ None of:

　　　1.☐ Certified copies of the priority documents have been received.

　　　2.☐ Certified copies of the priority documents have been received in Application No. _____.

　　　3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

　　* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☐ Notice of References Cited (PTO-892)
2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4)☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5)☐ Notice of Informal Patent Application (PTO-152)
6)☐ Other: _____.

DETAILED ACTION

Response to Amendment

1.   Applicant's amendment was received on 1/19/06, and has been entered and made of

record. Currently, **claims 1-31** are pending.

Response to Arguments

2.   Applicant's arguments filed 1/19/06 have been fully considered but they are not

persuasive.

3.   In response to applicant's arguments regarding the rejection of claims 1-25, which were

cited in the Office action dated 10/17/05 as being anticipated by Smith, II *et al.* (U.S. Patent

Application Publication 2002/0113994), whereby applicants argue on pages 9 and 10 that Smith

fails to teach of the method of printing using a mobile device, wherein an "archive file"

containing remote content is generated on the mobile device, whereby applicant argues that an

"archive file" is a group of files compressed in a single file to preserve space, having file formats

such as ZIP, TAR, ARJ, LZH, or UC2. The examiner notes that this definition of an "archive

file" is not found in the claim, as currently worded, or found in the original specification. A

reasonable interpretation of the term "archive file" is a file that is stored at a remote location that

can be accessed at a later time. This is shown by the reference of Smith. Smith teaches of

generating on the mobile device an archive file containing the remote content, as read in

paragraphs 0039-0041, wherein Smith states "Because of the limited resources typically

available on the portable device, a browser operating on the portable device access only a

truncated version of the web page. When the user elects to print the web page by reference, a

Web address for the web page is sent, for example to a printer or to a computing system

connected with the printer. The computing system uses the Web address to access the full

version of the web page and oversees printing of the full web page on the printer."

Therefore, Smith can be interpreted as teaching of generating on the mobile device an archive

file containing the remote content, as required in claims 1 and 23. Further, using this

interpretation of an "archive file", the other independent claims can also be interpreted as being

taught by Smith for similar reasons.

Therefore, the rejection of *claims 1-25*, as cited in the Office action dated 10/17/05 under

35 U.S.C.102(e) as being anticipated by Smith, II *et al.*, is maintained and repeated in this Office

action. Further, for the same reasons discussed above, the newly added *claims 26-31* can also be

interpreted as being anticipated by Smith, II *et al.*, and therefore are cited in this Office action.

Claim Rejections - 35 USC § 102

4.   The text of those sections of Title 35, U.S. Code not included in this action can be found

in a prior Office action.

5.   **Claims 1-31** are rejected under 35 U.S.C. 102(e) as being anticipated by Smith, II *et al.*

(U.S. Patent Application Publication 2002/0113994, cited in the Office action dated 10/17/05).

The applied reference has a common assignee with the instant application. Based upon

the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C.

102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37

CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the

inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

Regarding *claim 1*, Smith discloses a method of printing using a mobile device (see abstract, and Figs. 1, 2, and 9A-11B), comprising accessing remote content (paragraphs 0039-0041), generating on the mobile device an archive file containing the remote content (paragraphs 0039-0041), transmitting a print request to an imaging device (paragraphs 0040-0041), receiving a file request from the imaging device for the archive file (paragraphs 0040-0041); and transmitting the archive file to the imaging device (paragraphs 0040-0041), whereby the imaging device prints the content (paragraphs 0007, and 0040-0041).

Regarding *claim 2*, Smith discloses the method discussed above in claim 1, and further teaches that the print request includes a reference that indicates a location of the archive file (paragraphs 0040-0041).

Regarding *claim 3*, Smith discloses the method discussed above in claim 1, and further teaches that the remote content comprises a web page that contains a link to referenced content, and wherein the step of generating an archive file comprises rewriting the link to refer to a referenced content file in the archive file (paragraphs 0040-0041).

Regarding *claim 4*, Smith discloses the method discussed above in claim 1, and further teaches that the steps of transmitting the print request to the imaging device and transmitting the archive file to the imaging device each comprise transmitting using a wireless communication protocol (paragraphs 0033-0035, and 0040-0041).

Regarding *claim 5*, Smith discloses the method discussed above in claim 1, and further

teaches of rendering the archive file on the imaging device to create rendered content, and

printing the rendered content (paragraphs 0041, and 0051).

Regarding *claim 6*, Smith discloses the method discussed above in claim 1, and further

teaches of transmitting the archive file from the imaging device to a print service paragraphs

(0033-0035, 0040-0041, and 0050-0052); rendering the archive file on the print service to create

rendered content (0033-0035, 0040-0041, and 0050-0052), and transmitting the rendered content

from the print service to the imaging device, whereby the imaging device prints the rendered

content (0033-0035, 0040-0041, and 0050-0052).

Regarding *claim 7*, Smith discloses the method discussed above in claim 6, and further

teaches that the archive file comprises an HTML file and wherein the print service comprises an

HTML rendering engine (paragraphs 0003, 0028, and 0047).

Regarding *claim 8*, Smith discloses the method discussed above in claim 1, and further

teaches that the remote content is located behind a firewall on a secure server, and the step of

accessing the remote content comprises transmitting security information from the mobile device

to the secure server (paragraphs 0049-0050).

Regarding *claim 9*, Smith discloses a method of printing using a mobile device (see

abstract, and Figs. 1, 2, and 9A-11B), comprising accessing remote content, generating on a

proxy server an archive file containing the remote content (paragraphs 0040-0041), transmitting

a print request to an imaging device, the print request including a reference that indicates a

location of the archive file on the proxy server (paragraphs 0040-0041); receiving a file request

at the proxy server from the imaging device for the archive file (paragraphs 0040-0041); and

transmitting the archive file from the proxy server to the imaging device, whereby the imaging device prints the content (paragraphs 0007, and 0040-0041).

Regarding *claim 10*, Smith discloses the method discussed above in claim 9, and further teaches that the remote content comprises a web page that contains a link to a referenced image, and wherein the step of generating an archive file comprises rewriting the link to refer to a referenced image file in the archive file (paragraphs 0033-0035, and 0040-0041).

Regarding *claim 11*, Smith discloses the method discussed above in claim 9, and further teaches that the step of transmitting the print request to the imaging device comprises transmitting using a wireless communication protocol (paragraphs 0033-0035, and 0040-0041).

Regarding *claim 12*, Smith discloses the method discussed above in claim 9, and further teaches that the step of generating on a proxy server an archive file further comprises generating the archive file in a format that may be rendered by the imaging device (paragraphs 0041, and 0051).

Regarding *claim 13*, Smith discloses the method discussed above in claim 9, and further teaches of transmitting the archive file from the imaging device to a print service paragraphs (0033-0035, 0040-0041, and 0050-0052); rendering the archive file on the print service to create rendered content (0033-0035, 0040-0041, and 0050-0052), and transmitting the rendered content from the print service to the imaging device, whereby the imaging device prints the rendered content (0033-0035, 0040-0041, and 0050-0052).

Regarding *claim 14*, Smith discloses the method discussed above in claim 13, and further teaches that the archive file comprises an HTML file and wherein the print service comprises an HTML rendering engine (paragraphs 0003, 0028, and 0047).

Regarding *claim 15*, Smith discloses the method discussed above in claim 9, and further

teaches that the remote content is located behind a firewall on a secure server, and the step of

accessing the remote content comprises transmitting security information from the mobile device

to the secure server (paragraphs 0049-0050).

Regarding *claim 16*, Smith discloses a method of printing using a mobile device (see

abstract, and Figs. 1, 2, and 9A-11B), comprising accessing remote content, generating on a

proxy server an archive file containing the remote content (paragraphs 0040-0041); transmitting

a print request to an imaging device, receiving a file request from the imaging device for the

archive file (paragraphs 0040-0041); transmitting the file request to the proxy server; receiving

the archive file from the proxy server in a data stream (paragraphs 0040-0041, and 0049-0051),

and streaming the data stream of the archive file from the mobile device to the imaging device

(paragraphs 0049-0052), whereby the imaging device prints the content (paragraphs 0007, 0040-

0041, and 0049-0052).

Regarding *claim 17*, Smith discloses the method discussed above in claim 16, and further

teaches that the remote content comprises a web page that contains a link to a referenced image,

and wherein the step of generating an archive file comprises rewriting the link to refer to a

referenced image file in the archive file (paragraphs 0033-0035, and 0040-0041).

Regarding *claim 18*, Smith discloses the method discussed above in claim 16, and further

teaches that the step of transmitting the print request to the imaging device comprises

transmitting using a wireless communication protocol (paragraphs 0033-0035, and 0040-0041).

Regarding *claim 19*, Smith discloses the method discussed above in claim 16 and further

teaches that the step of generating on a proxy server an archive file further comprises generating

the archive file in a format that may be rendered by the imaging device (paragraphs 0041, and

0051).

Regarding *claim 20*, Smith discloses the method discussed above in claim 16, and further

teaches of transmitting the archive file from the imaging device to a print service paragraphs

(0033-0035, 0040-0041, and 0050-0052); rendering the archive file on the print service to create

rendered content (0033-0035, 0040-0041, and 0050-0052), and transmitting the rendered content

from the print service to the imaging device, whereby the imaging device prints the rendered

content (0033-0035, 0040-0041, and 0050-0052).

Regarding *claim 21*, Smith discloses the method discussed above in claim 20, and further

teaches that the archive file comprises an HTML file and wherein the print service comprises an

HTML rendering engine (paragraphs 0003, 0028, and 0047).

Regarding *claim 22*, Smith discloses the method discussed above in claim 16, and further

teaches that the remote content is located behind a firewall on a secure server, and the step of

accessing the remote content comprises transmitting security information from the mobile device

to the secure server (paragraphs 0049-0050).

Regarding *claim 23*, Smith discloses a computer program product for mobile printing

(see abstract, and Figs. 1, 2, and 9A-11B) comprising a computer readable medium comprising at

least one of hardware and software, the medium including code that accesses remote content

(paragraphs 0039-0041), code that generates on the mobile device an archive file containing the

remote content (paragraphs 0039-0041), code that transmits a print request to an imaging device

(paragraphs 0040-0041), code that receives a file request from the imaging device for the archive

file(paragraphs 0040-0041); and code that transmits the archive file to the imaging device

(paragraphs 0040-0041), whereby the imaging device prints the content (paragraphs 0007, and

0040-0041).

Regarding *claim 24*, Smith discloses a computer program product for mobile printing

(see abstract, and Figs. 1, 2, and 9A-11B) comprising a computer readable medium comprising at

least one of hardware and software, the medium including code that accesses remote content

(paragraphs 0040-0041), code that generates on a proxy server an archive file containing the

remote content (paragraphs 0040-0041), code that transmits a print request to an imaging device,

the print request including a reference that indicates a location of the archive file on the proxy

server (paragraphs 0040-0041); code that receives a file request at the proxy server from the

imaging device for the archive file (paragraphs 0040-0041); and code that transmits the archive

file from the proxy server to the imaging device, whereby the imaging device prints the content

(paragraphs 0007, and 0040-0041).

Regarding *claim 25*, Smith discloses a computer program product for mobile printing

(see abstract, and Figs. 1, 2, and 9A-11B) comprising a computer readable medium comprising at

least one of hardware and software, the medium including code that accesses remote content

(paragraphs 0040-0041), code that generates on a proxy server an archive file containing the

remote content (paragraphs 0040-0041), code that transmits a print request to an imaging device,

the print request including a reference that indicates a location of the archive file on the proxy

server (paragraphs 0040-0041); code that receives a file request from the imaging device for the

archive file (paragraphs 0040-0041, and 0049-0051); code that transmits the file request to the

proxy server; code that receives the archive file from the proxy server in a data stream, and code

that streams the data stream of the archive file from the mobile device to the imaging device

(paragraphs 0049-0052), whereby the imaging device prints the content (paragraphs 0007, 0040-0041, and 0049-0052).

Regarding *claim 26*, Smith discloses the method discussed above in claim 1, and further teaches that the mobile device is used to access the remote content, transmit the print request to the imaging device, receive the file request from the imaging device for the archive file and transmit the archive file to the imaging device (paragraphs 0040-0041, wherein Smith states "Because of the limited resources typically available on the portable device, a browser operating on the portable device access only a truncated version of the web page. When the user elects to print the web page by reference, a Web address for the web page is sent, for example to a printer or to a computing system connected with the printer. The computing system uses the Web address to access the full version of the web page and oversees printing of the full web page on the printer.").

Regarding *claim 27*, Smith discloses the method discussed above in claim 9, and further teaches that the mobile device is used to access the remote content and transmit the print request to the imaging device (paragraphs 0040-0041, wherein Smith states "Because of the limited resources typically available on the portable device, a browser operating on the portable device access only a truncated version of the web page. When the user elects to print the web page by reference, a Web address for the web page is sent, for example to a printer or to a computing system connected with the printer. The computing system uses the Web address to access the full version of the web page and oversees printing of the full web page on the printer.").

Regarding *claim 28*, Smith discloses the method discussed above in claim 16, and further teaches that the mobile device is used to access the remote content, to transmit the print request

to the imaging device, to receive the file request from the imaging device for the archive file, to

transmit the file request to the proxy server and to receive the archive file from the proxy server

in a data stream (paragraphs 0040-0041, wherein Smith states "Because of the limited resources

typically available on the portable device, a browser operating on the portable device access only

a truncated version of the web page. When the user elects to print the web page by reference, a

Web address for the web page is sent, for example to a printer or to a computing system

connected with the printer. The computing system uses the Web address to access the full

version of the web page and oversees printing of the full web page on the printer.").

Regarding *claim 29*, Smith discloses the product discussed above in claim 23, and further

teaches that the code causes a mobile device to access the remote content, to transmit the print

request to the imaging device, to receive the file request from the imaging device for the archive

file and to transmit the archive file to the imaging device (paragraphs 0040-0041, wherein Smith

states "Because of the limited resources typically available on the portable device, a browser

operating on the portable device access only a truncated version of the web page. When the user

elects to print the web page by reference, a Web address for the web page is sent, for example to

a printer or to a computing system connected with the printer. The computing system uses the

Web address to access the full version of the web page and oversees printing of the full web page

on the printer.").

Regarding *claim 30*, Smith discloses the product discussed above in claim 24, and further

teaches that the code is configured to direct a mobile device to access the remote content and

transmit the print request to the imaging device (paragraphs 0040-0041, wherein Smith states

"Because of the limited resources typically available on the portable device, a browser operating

on the portable device access only a truncated version of the web page. When the user elects to print the web page by reference, a Web address for the web page is sent, for example to a printer or to a computing system connected with the printer. The computing system uses the Web address to access the full version of the web page and oversees printing of the full web page on the printer.").

Regarding *claim 31*, Smith discloses the product discussed above in claim 25, and further teaches that the code is configured to direct a mobile printing device to access the remote content, to transmit the print request to the imaging device, to receive the file request from the imaging device for the archive file, to transmit the file request to the proxy server and to receive the archive file from the proxy server in a data stream (paragraphs 0040-0041, wherein Smith states "Because of the limited resources typically available on the portable device, a browser operating on the portable device access only a truncated version of the web page. When the user elects to print the web page by reference, a Web address for the web page is sent, for example to a printer or to a computing system connected with the printer. The computing system uses the Web address to access the full version of the web page and oversees printing of the full web page on the printer.").

Conclusion

6.   **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO
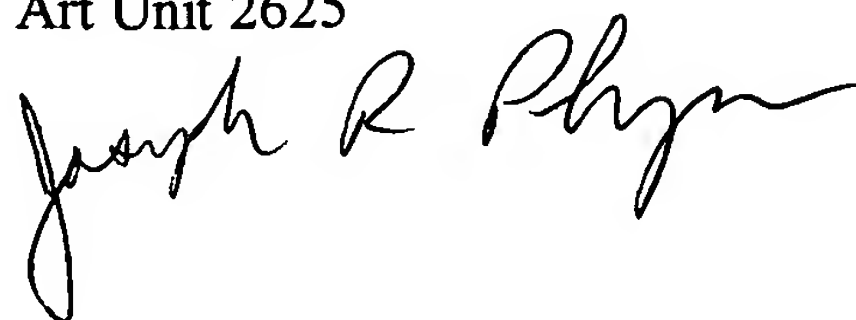
MONTHS of the mailing date of this final action and the advisory action is not mailed until after

the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the mailing

date of this final action.

7.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Joe Pokrzywa whose telephone number is (571) 272-7410. The

examiner can normally be reached on Monday-Friday, 9:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Edward L. Coles can be reached on (571) 272-7402. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Joseph R. Pokrzywa
Primary Examiner
Art Unit 2625

jrp